

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims.

1-20. (Canceled).

1 21. (Currently Amended) An isolated monoclonal antibody or portion thereof that specifically binds to a protein selected from the group consisting of:

- (a) a protein whose sequence consists of amino acid residues 2 to 158 of SEQ ID NO:2;
- (b) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 30 contiguous amino acid residues of SEQ ID NO:2; and
- (c) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 50 contiguous amino acid residues of SEQ ID NO:2.

2 22. (Previously Presented) The antibody or portion thereof of claim 21 that specifically binds protein (a).

3 23. (Previously Presented) The antibody or portion thereof of claim 21 that specifically binds protein (b).

4 24. (Previously Presented) The antibody or portion thereof of claim 21 that specifically binds protein (c).

25. (Canceled).

5 26. (Previously Presented) The antibody or portion thereof of claim 21 wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

27-29. (Canceled).

30. (Previously Presented) The antibody or portion thereof of claim 21 which is a humanized antibody.

31. (Previously Presented) The antibody or portion thereof of claim 21 which is a human antibody.

32. (Previously Presented) The antibody or portion thereof of claim 21 which is a single chain antibody.

33. (Previously Presented) The antibody or portion thereof of claim 21 which is a Fab fragment.

34. (Previously Presented) The antibody or portion thereof of claim 21 which is labeled.

35. (Previously Presented) An isolated cell that produces the antibody of claim 21.

36. (Previously Presented) A hybridoma that produces the antibody of claim 21.

37. (Previously Presented) A ~~hybridoma~~ that produces the antibody of claim 27.

38-45. (Cancelled).

36. (Currently Amended) An isolated monoclonal antibody or portion thereof produced by immunizing an animal with a protein selected from the group consisting of:

- (a) a protein whose sequence comprises amino acid residues 2 to 158 of SEQ ID NO:2;
- (b) a protein whose sequence comprises at least 30 contiguous amino acid residues of SEQ ID NO:2; and
- (c) a protein whose sequence comprises at least 50 contiguous amino acid residues of SEQ ID NO:2,

wherein said antibody or portion thereof specifically binds to the amino acid sequence of SEQ ID NO:2.

14 47 (Previously Presented) The antibody or portion thereof of claim 46 produced by immunizing an animal with protein (a).

15 48 (Previously Presented) The antibody or portion thereof of claim 46 produced by immunizing an animal with protein (b).

16 49 (Previously Presented) The antibody or portion thereof of claim 46 produced by immunizing an animal with protein (c).

50. (Canceled).

17 51 (Currently Amended) An isolated monoclonal antibody or portion thereof that specifically binds to a protein whose sequence consists of amino acid residues 1 to 158 of SEQ ID NO:2.

18 52 (Previously Presented) The antibody or portion thereof of claim 51 wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

53-55. (Canceled).

19 56 (Previously Presented) The antibody or portion thereof of claim 51 which is a humanized antibody.

20 57 (Previously Presented) The antibody or portion thereof of claim 51 which is a human antibody.

21 58 (Previously Presented) The antibody or portion thereof of claim 51 which is a single chain antibody.

*22*  
59. (Previously Presented) The antibody or portion thereof of claim *51* which is a Fab fragment.

*23*  
60. (Previously Presented) The antibody or portion thereof of claim *51* which is labeled.

*24*  
61. (Previously Presented) An isolated cell that produces the antibody of claim *51*.

*25*  
62. (Previously Presented) A hybridoma that produces the antibody of claim *51*.

*26*  
63. (Previously Presented) A hybridoma that produces the antibody of claim *53*.

64-71. (Cancelled).

*26*  
72. (Currently Amended) An isolated monoclonal antibody or portion thereof produced by immunizing an animal with a protein whose sequence comprises amino acid residues 1 to 158 of SEQ ID NO:2 wherein said antibody or portion thereof specifically binds to the protein of SEQ ID NO:2.

73-126. (Canceled).